

ABSTRACT OF THE DISCLOSURE

A ceramic filter assembly (9) that resists cracking. The ceramic filter assembly is formed by integrating a
5 plurality of columnar honeycomb filters (F1) made of a porous ceramic sintered material with a ceramic sealing material layer and formed to have a substantially elliptical cross sectional shape. The honeycomb filters includes
10 square columnar honeycomb filters in which the ratio between the lengths of their long sides and short sides is between 1.1 and 3.0. The honeycomb filters are arranged so that the long sides and the short sides are respectively parallel to the major axis and the minor axis of the assembly.